SAMSUNG TECHWIN

SDH-V5100

# HD CCTV Redefined for your safety

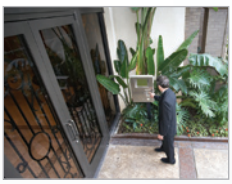
## 720p HDTV Hybrid All-In-One Security Kits

# SDH-V5100

16 Channel HDTV Hybrid DVR security system

**DVR**
- SD (12CH) & HD (4CH) hybrid DVR
- 1080p & 720p recording
- 960H (WD1) recording support
- Auto port forwarding with quick connect technology
- HDMI outputs for convenient connection to HDTVs or monitors

**Camera**
- 720p HD resolution camera (x 6)
- 600TV lines SD camera (x 4)
- True Day & Night with ICR for perfect color reproduction
- IP66 weather resistant
- Samsung Super Dynamic Range feature to increase the brightness of the dark area (SSDR)
- Night vision up to 82ft



### SSDR (Samsung Super Dynamic Range)

Useful in high contrast or backlight scene. Automatically lightens the dark areas within a scene whilst maintaining the brighter areas at the same level. This ensures that the dark areas become more viewable allowing the operator to view objects in the shadows.

SSDR Off

SSDR On

### SSNRIII (Samsung Super Noise ReductionIII)

The 3rd generation of SSNR can be used in low light condition to enhance the image quality. This technology eliminates image noise in low light conditions without creating image blur or ghosting.

SSNRIII Off

SSNRIII On

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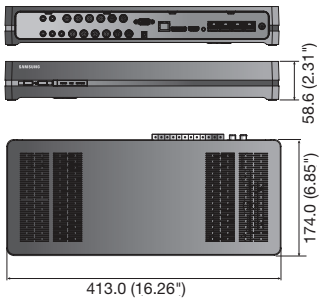
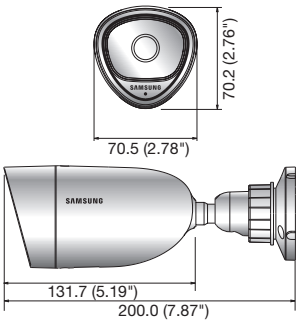
## Dimensions

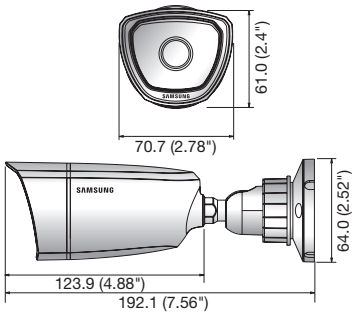
Unit : mm (inch)




SDR-5200




SDC-8340BU




SDC-5340BC

The Eco mark represents Samsung Techwin's will to create environment-friendly products,and indicates that the product satisfies the EU RoHS Directive.

## Specifications

| | | SDR-5200 |
|---|---|---|
| DISPLAY | | |
| Video | Inputs | 4CH UTP, 12CH BNC (Composite) |
| | Resolution | 1920 x 1080 (Full HD) |
| Live | Frame Rate | 120fps@1920 x 1080 + 360fps@704 x 480 |
| | Resolution | 1920 x 1080 (Full HD), 704 x 480 (SD) |
| | Multi Screen Display | 1 / 4 / 7 / 9 / 13 / 16A / 16B / Sequence / PIP |
| PERFORMANCE | | |
| Operating System | Embedded | Linux |
| Recording | Compression | H.264 |
| | Record Rate | Up to 120fps@1920 x 1080 + 360fps@704 x 480 |
| | Mode | Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 30fps) |
| | Event | Video Loss, Motion (Level 1 ~ 10), Alarm, Tampering |
| | Overwrite Modes | Continuous |
| | Pre-alarm | Off / 5sec |
| | Post-alarm | Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour) |
| Search & Playback | Search Mode | Date/time, Event, Back up, Motion (*All search included prview function) |
| | Playback Function | Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with I-frame only<br>Slow forward / backward (1/2x, 1/4x, 1/8x)<br>Step forward / backward *Backward play with I-frame only |
| Network | Transmission Speed | 4CIF 120fps / 2CIF 240fps / CIF 480fps |
| | Bandwidth | Up to 32Mbps |
| | Bandwidth Control | Selectable |
| | Stream | H.264 (4CIF / 2CIF / CIF selectable) |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 |
| | Protocol Support | TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, UPnP |
| | Monitoring | SmartViewer, Webviewer, Mobile Viewer |
| Smart Phone | Smart Phone | Android, iOS (iPhone, iPad) |
| | Protocol Support | RTP, RTSP, HTTP, CGI |
| | Transmission Speed | CIF Max. 16fps (Single channel) / CIF Max. 4fps (Quad channel) |
| | Max. Remote Users | Live 1 |
| Storage | Internal HDD | 2TB SATA HDD |
| | External HDD / DVD Writer | External HDD (Up to 2TB) |
| | USB (Back up) | 2 USB ports |
| | File Format (Back up) | BU (DVR player), SEC (Include player) |
| Security | Password Protection | 1 Admin, 10 Group, 10 User per 1group |
| | Data Authentication | Watermark |
| INTERFACE | | |
| Monitors | VGA | 1 VGA (1024 x 768, 1280 x 1024) |
| | HDMI | 1 HDMI (720p/1080p resolution) |
| Audio | Inputs / Output | 4 line in / 1 line out |
| | Compression | G.711 |
| | Sampling Rate | 8KHz |
| Alarm | Remote Notification | Notification via e-mail |
| Connections | Ethernet | 1 RJ-45 10/100Mbps Base-T |
| | USB | USB 2.0, 2 ports (Front) |
| | e-SATA | e-SATA 3.0 |
| | Application Supoort | Mouse, Remote control |
| | Protocol Support (RS-485) | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, Vicon, GE |
| GENERAL | | |
| Electrical | Input Voltage / Current | 12V DC adaptor, 4A, 100 ~ 250V AC, 50/60Hz, 48watt |
| | Power Consumption | Max. 40W (With 1x HDD) |
| Environmental | Operating Temperature / Humidity | 0°C ~ +40°C (+32°F ~ +104°F) / 20% ~ 85%RH |
| Mechanical | Dimensions (WxHxD) | 413.0 x 58.6 x 174.0mm (16.26" x 2.31" x 6.85") |
| | Weight (With hard disks) | 1.44Kg (3.2 lb) |
| Language | | English, Spanish, French, German, Italian, Polish, Portuguese, Russian,Turkish, Japanese, Czech, Swedish, Danish, Korean, Chinese, Netherland, Thai, Romanian, Serbian, Croatian, Hungarian, Greek |

| | SDC-8340BUN | SDC-5340BCN |
|---|---|---|
| ELECTRICAL | | |
| Input Voltage | 12V DC (by PoE) | 12V DC |
| Power Consumption | 3W | 3W |
| VIDEO | | |
| Imaging Device | 1/4" CMOS | 1/3" CMOS |
| Active Pixels | 1024 x 720 (720p) | 720 x 480 |
| Scanning System | Progressive | Interlace |
| Synchronization | Internal | Internal |
| Frequency | H : 15,734Hz / V : 59.94Hz | H : 15,734Hz / V : 59.94Hz |
| Horizontal Resolution | 800TV lines | 600TV lines |
| Min. Illumination | 0Lux (IR LED) | 0Lux (IR LED) |
| S/N Ratio (Y Signal) | 50dB | 46dB |
| UTP Output | Built-in UTP TX | N/A |
| | Maximum transmission length : 150m (UTP CAT 5e) | N/A |
| | Balanced differential impedance : 100 ohm | N/A |
| LENS | | |
| Focal Length | 3.6mm | 3.6mm |
| Max. Aperture Ratio | 2 | 2 |
| Angular Field of View | D : 86° | D : 72° |
| OPERATIONAL | | |
| Shutter Mode | Auto (Rolling shutter) | Auto (Rolling shutter) |
| Gain Control | Auto | Auto |
| White Balance | Auto (3,200°K ~ 6,500°K) | Auto (3,200°K ~ 6,500°K) |
| Contrast Enhancement | SSDR (On) | N/A |
| Digital Noise Reduction | SSNRIII (On) | Auto |
| Day & Night | Auto | Auto |
| IR Distance (850nm) | 25m (82ft) | 25m (82ft) |
| ENVIRONMENTAL | | |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~+122°F) / 20% ~ 85%RH | -10°C ~ +50°C (+14°F ~+122°F) / 20% ~ 85%RH |
| MECHANICAL | | |
| Ingress Protection | IP66 | IP66 |
| Dimensions (WxHxD) | 70.5 x 70.2 x 200mm (2.78" x 2.76" x 7.87") | 70.7 x 61.0 x 192.1mm (2.78" x 2.40" x 7.56") |
| Weight | 240g (0.53 lb) | 241g (0.53 lb) |

Design and specifications are subject to change without notice.

■ DISTRIBUTED BY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